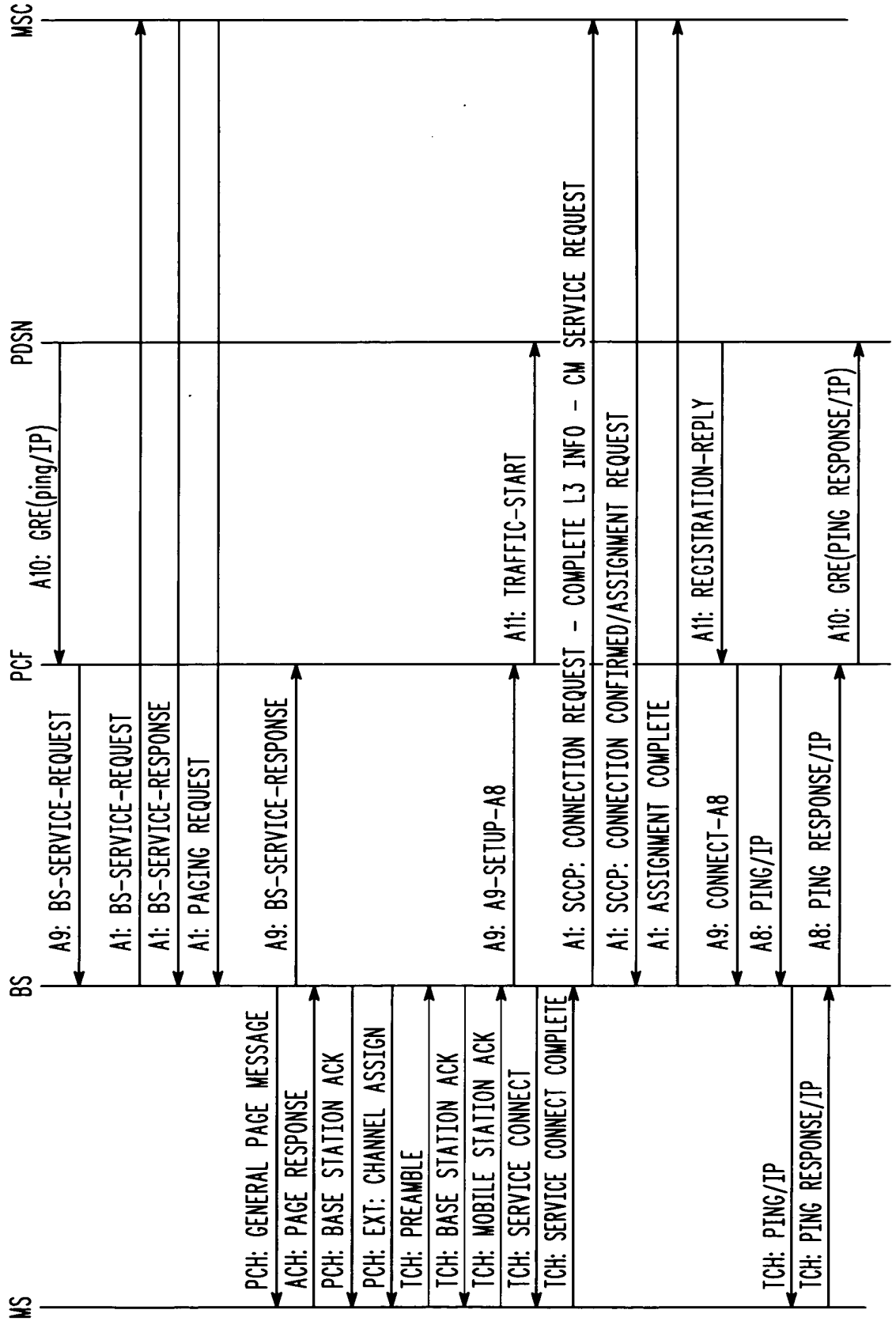

100 *FIG. 1* —PRIOR ART—

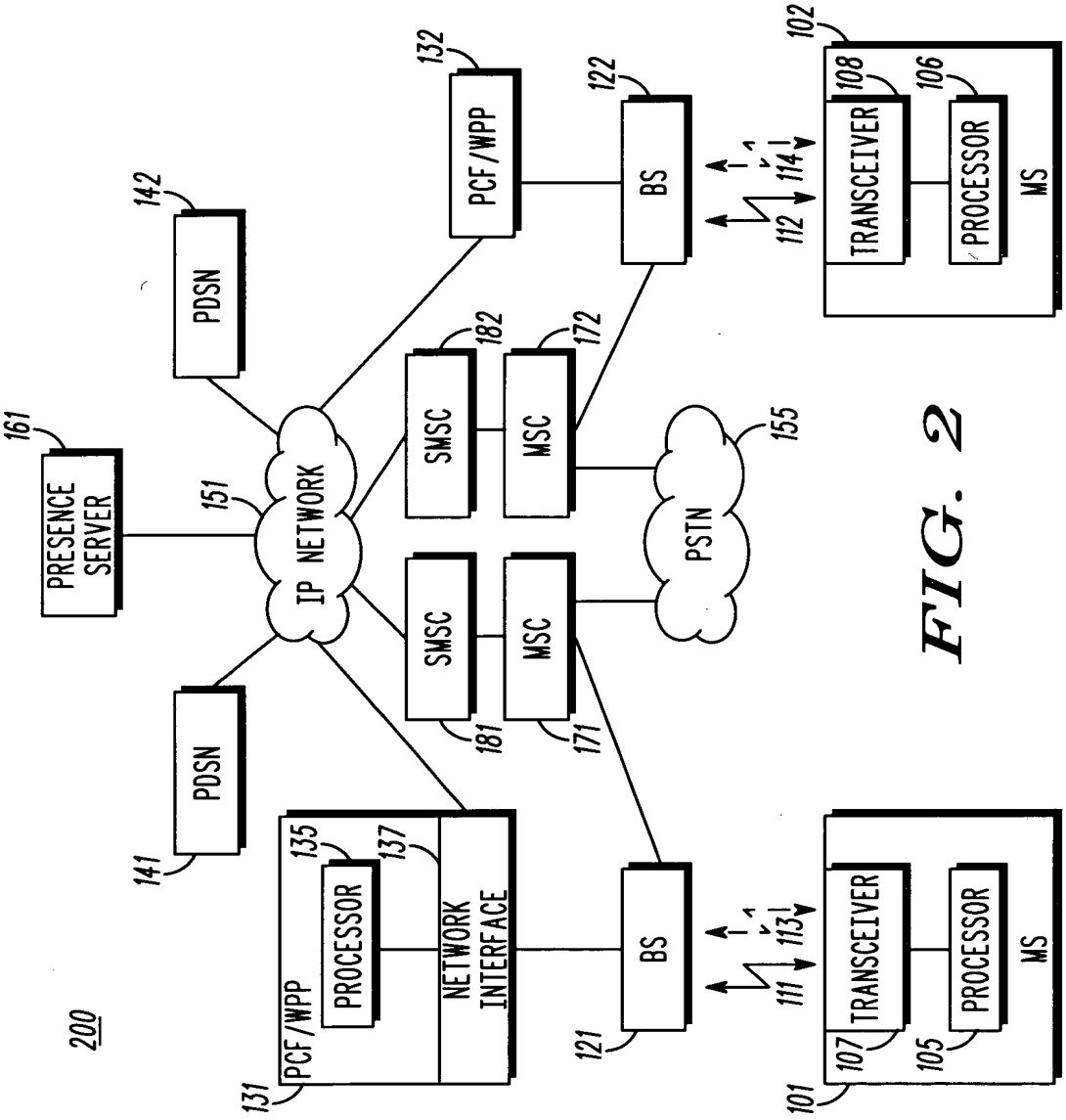
200
PRESENCE SERVER
161
IP NETWORK
151
PDSN
142
PDSN
141
PCF/WPP
132
PCF/WPP
131
PROCESSOR
135
NETWORK INTERFACE
137
SMSC
182
SMSC
181
MSC
172
MSC
171
PSTN
155
BS
122
BS
121
112
114
111
113
TRANSCEIVER
108
PROCESSOR
106
MS
102
TRANSCEIVER
107
PROCESSOR
105
MS
101

FIG. 2

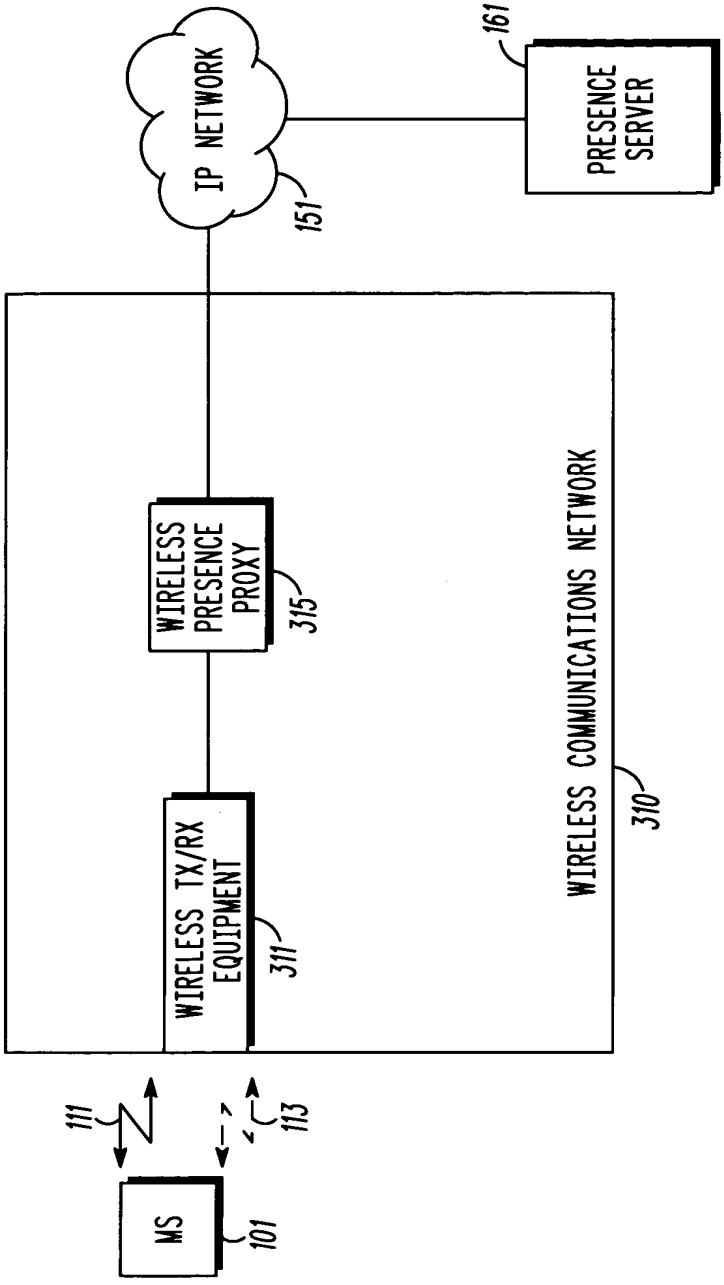
IP NETWORK
151
161
PRESENCE SERVER
WIRELESS PRESENCE PROXY
315
WIRELESS TX/RX EQUIPMENT
311
WIRELESS COMMUNICATIONS NETWORK
310
111
113
MS
101
300

FIG. 3

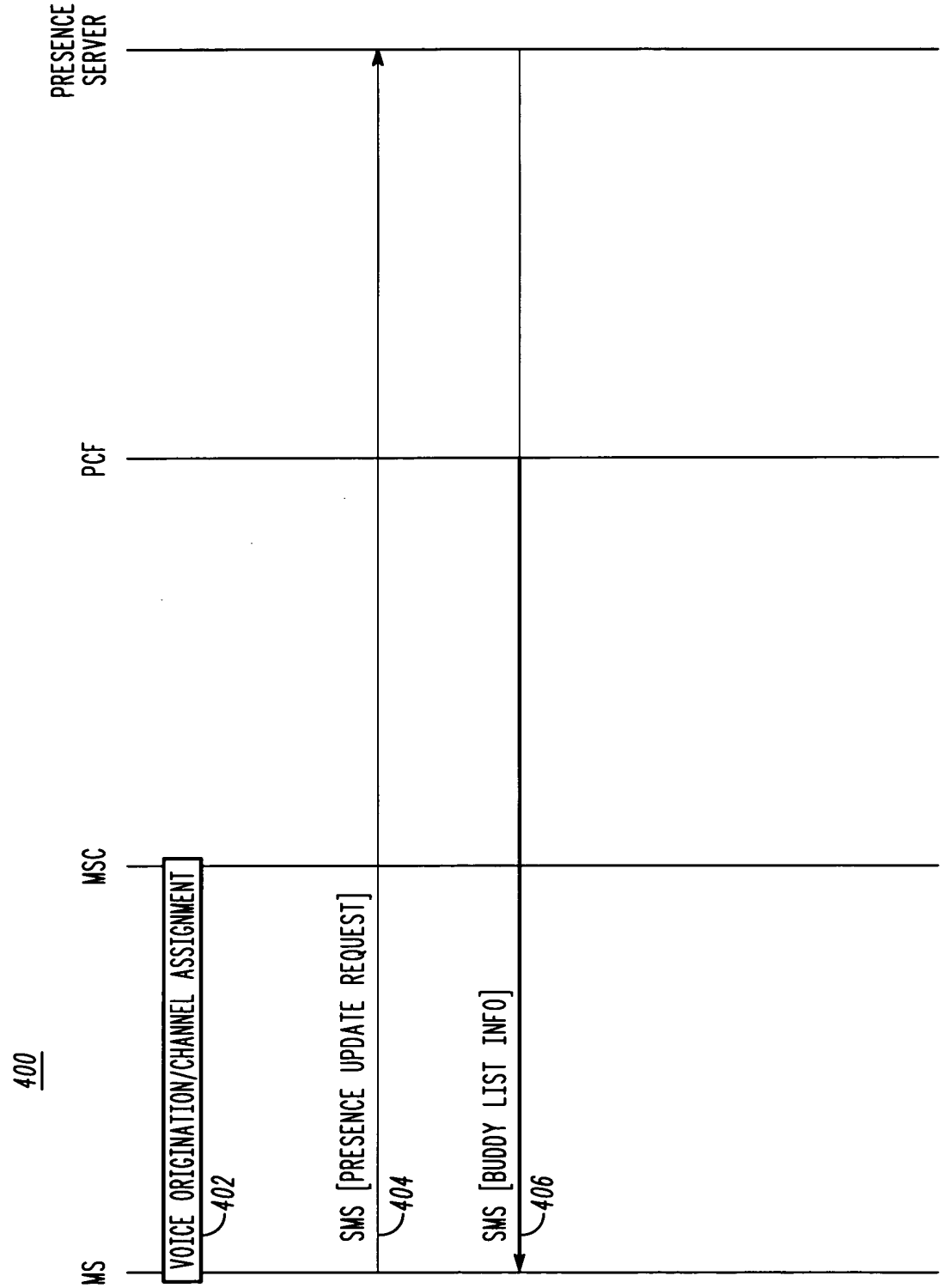
400
MS
MSC
PCF
PRESENCE SERVER
VOICE ORIGINATION/CHANNEL ASSIGNMENT
402
SMS [PRESENCE UPDATE REQUEST]
404
SMS [BUDDY LIST INFO]
406

FIG. 4

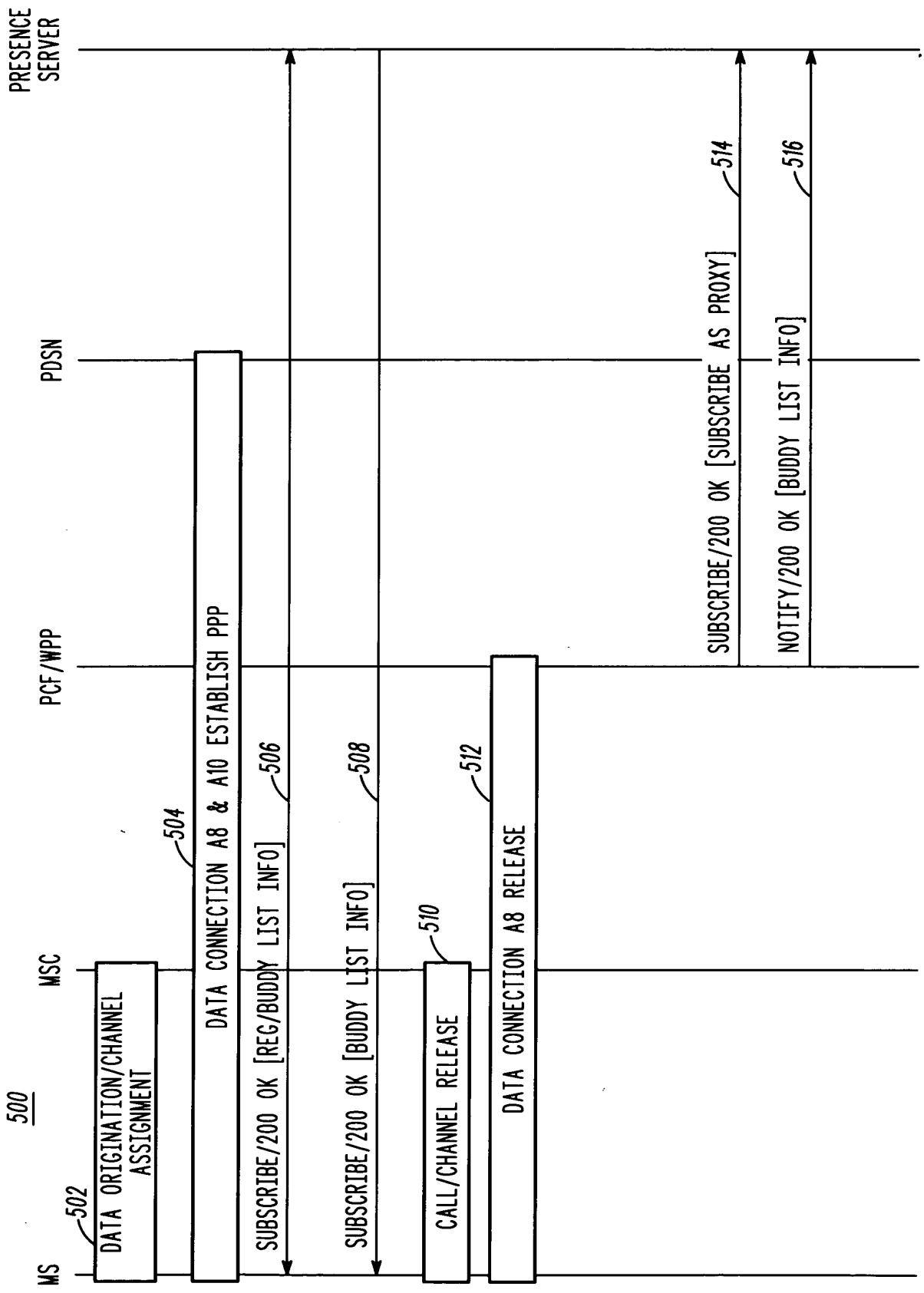
500
MS
MSC
PCF/WPP
PDSN
PRESENCE SERVER
502
DATA ORIGINATION/CHANNEL ASSIGNMENT
504
DATA CONNECTION A8 & A10 ESTABLISH PPP
506
SUBSCRIBE/200 OK [REG/BUDDY LIST INFO]
508
SUBSCRIBE/200 OK [BUDDY LIST INFO]
510
CALL/CHANNEL RELEASE
512
DATA CONNECTION A8 RELEASE
514
SUBSCRIBE/200 OK [SUBSCRIBE AS PROXY]
516
NOTIFY/200 OK [BUDDY LIST INFO]

FIG. 5

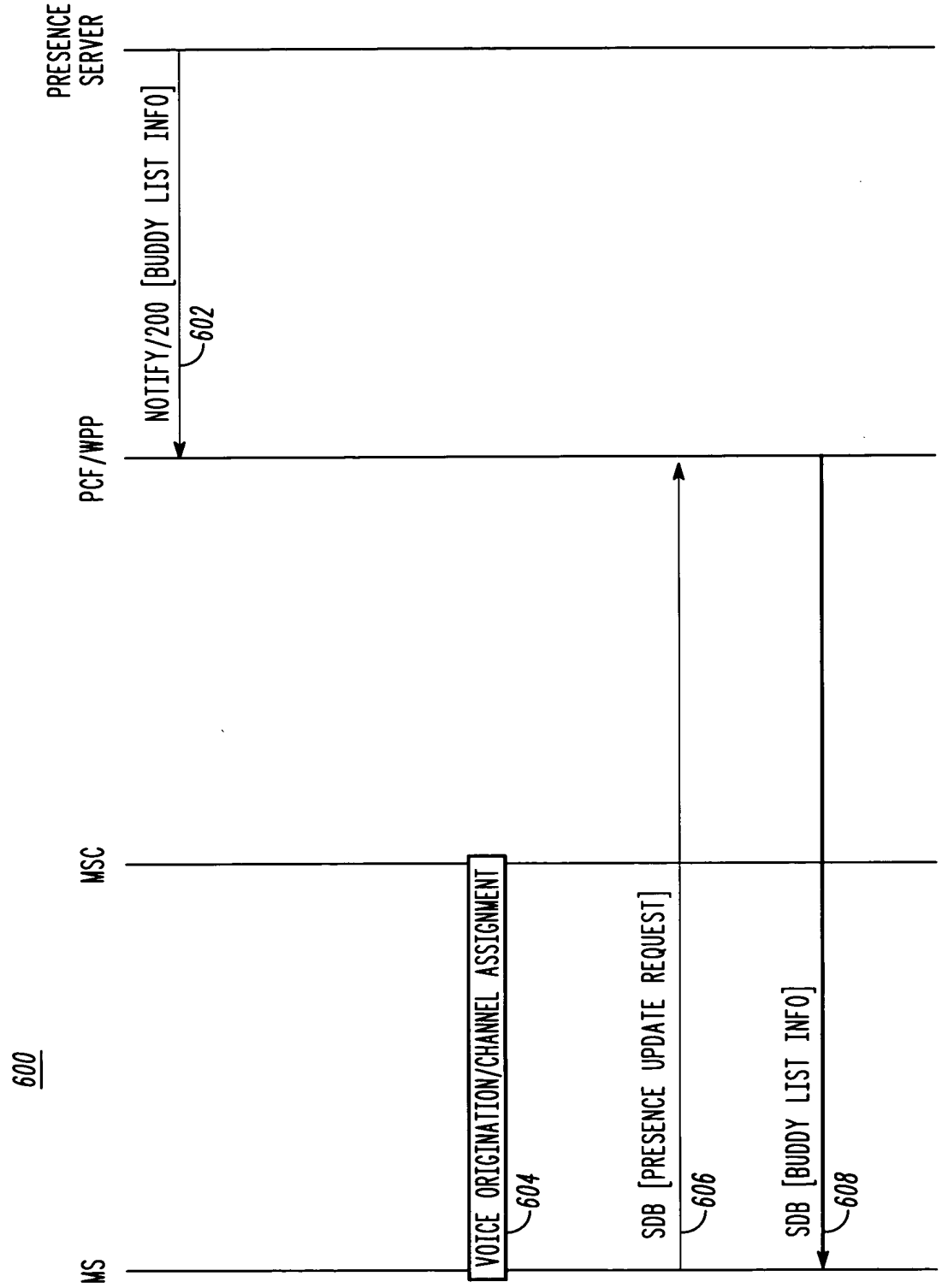
600
MS
MSC
PCF/WPP
PRESENCE SERVER
VOICE ORIGINATION/CHANNEL ASSIGNMENT
604
SDB [PRESENCE UPDATE REQUEST]
606
SDB [BUDDY LIST INFO]
608
NOTIFY/200 [BUDDY LIST INFO]
602

FIG. 6

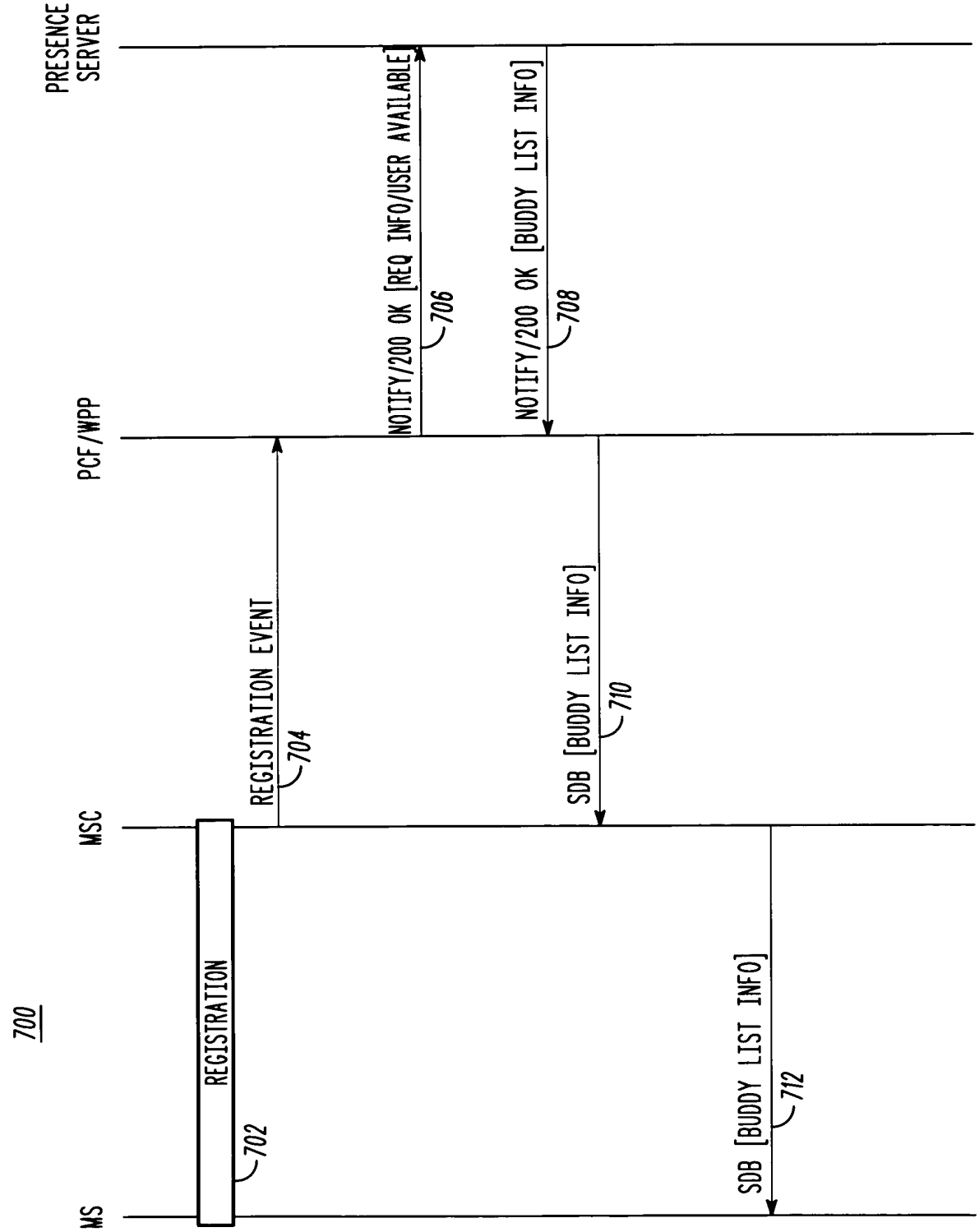
700
MS
MSC
PCF/WPP
PRESENCE SERVER
REGISTRATION
702
REGISTRATION EVENT
704
NOTIFY/200 OK [REQ INFO/USER AVAILABLE]
706
NOTIFY/200 OK [BUDDY LIST INFO]
708
SDB [BUDDY LIST INFO]
710
SDB [BUDDY LIST INFO]
712

FIG. 7

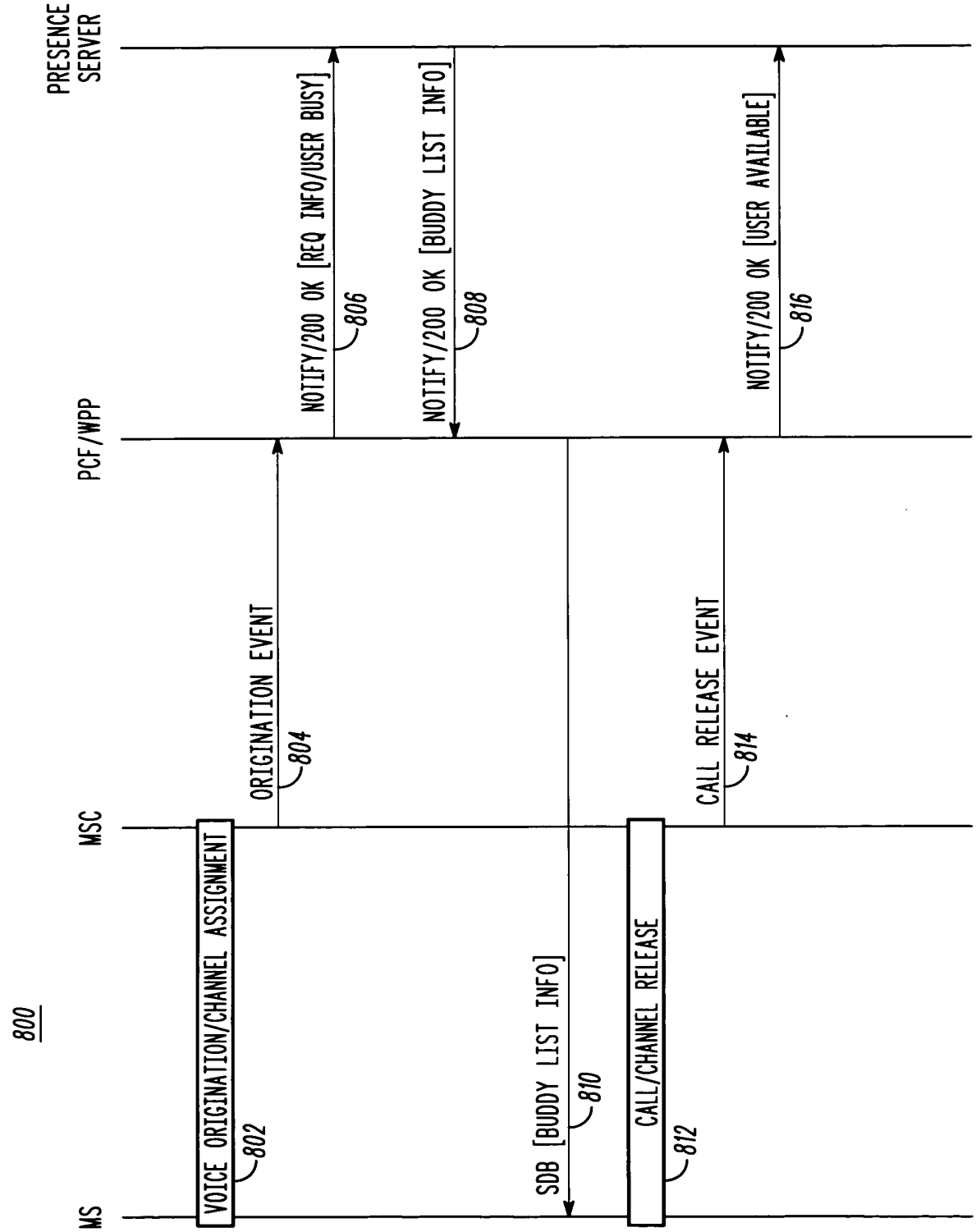
800
MS
MSC
PCF/WPP
PRESENCE SERVER
VOICE ORIGINATION/CHANNEL ASSIGNMENT
802
ORIGINATION EVENT
804
NOTIFY/200 OK [REQ INFO/USER BUSY]
806
NOTIFY/200 OK [BUDDY LIST INFO]
808
SDB [BUDDY LIST INFO]
810
CALL/CHANNEL RELEASE
812
CALL RELEASE EVENT
814
NOTIFY/200 OK [USER AVAILABLE]
816

FIG. 8